

Receiving Report

Date: 14/9/24
Supplier: TKY 5562 h

Batch No: M130451
Dart P/O: 25832

Packing Slip: Yes ☒ No ☐
Invoice: Yes ☐ No ☒
Receipt: Cash ☐ Cr ☒
New Supplier Yes ☐ No ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
Waybill Attached: Yes ☐ No ☒
Shipment Complete: Yes ☒ No ☐ N/A ☐
QC18 Inspection ☒ N/A ☐
Work Order ☐ N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number
	<u>UHR Ps. Pun B o.</u>						

Initials of Receiver

QC12

Production/Admin:

Date

Received/Costing

Initial

14/9/24
[Signature]

Location

Page 1 of 1

All amounts are calculated in domestic currency.

All Line Item Types

All Currencies

Vendor ID

Total Received Quantity:	132.0000
Total Qty to Inspect (PO U/M):	0.0000
Total Reject Quantity:	0.0000
Total Receipt Value:	\$518.82
Total Balance Due Quantity:	0.0000

B I L L O F L A D I N G

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 897217
 Ship Date 22Sep14 at 9:52 From PFW
 Probill
 Via VIM TRANSFER
 FOB CONCORD
 Frt PREPAID
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

Ship To: (1)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7
 Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-723274- 1 Your PO # 25832
 STAINLESS STEEL ROUND BAR 17-4 STAINLESS
 .750" DIA X 144.0000"

Heat Number 745675 Tag No 334658

Quantity 24 FT PCS 2 Wt LBS 36

2) Our Order PEC-723274- 2 Your PO # 25832
 STAINLESS STEEL ROUND BAR 303 STAINLESS
 .50" DIA X 144.0000"

Heat Number N2H5 Tag No 334659

Quantity 48 FT PCS 4 Wt LBS 32

3) Our Order PEC-723274- 3 Your PO # 25832
 STAINLESS STEEL ROUND BAR 303 STAINLESS
 .750" DIA X 144.0000"

Heat Number 32150 Tag No 334660

Quantity 48 FT PCS 4 Wt LBS 73

4) Our Order PEC-723274- 4 Your PO # 25832
 STAINLESS STEEL SQ BAR 304L
 1.00" X 144.0000"

Heat Number 33717 Tag No 334661

Quantity 12 FT PCS 1 Wt LBS 41

TOTAL: Tags 4 PCS 11 Wt LBS 182

Heat Number
 32150

*** Chemical Analysis ***

Page: 1Continued

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER
 ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.
 ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
 RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

SHIP FROM:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

SHIP DATE 22SEP14 AT 9:52 FROM PFW
PROBILL
VIA VIM TRANSFER
FOB CONCORD
FRT PREPAID
ROUTE 0- 0 Manifest
VHICLE Trailer
SLP STAN IVERS (905-532-1350)
SOLD TO: (20115)
DART AEROSPACE

SHIP TO: (1)
DART AEROSPACE

B I L L O F L A D I N G

33717
745675
N2H5

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL 1 BDL GW 205 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***

**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

Page: 2 Last

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 17-4 STAINLESS
.750" DIA X 144.0000"
PART NO.

PO/Rel 25832

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-897217-001

22Sep14

Pg 1/2

Signed by: 

CERTIFICATE OF TESTS		ABNAHMEPRUEFZEUGNIS		CERTIFICAT DE CONTROLE																									
<p>CERT SERIAL# 000892657</p> <p>TALLEY METALS A Carpenter Company</p> <p>Talley Metals Technology, Inc. 205 Talley Metals Lane McBee, SC. 29101 Tel: (610) 208-2000 (800) 338-4592</p> <p>09/11/13 CUSTOMER/BESTELLER/CLIENT</p> <p>COPPER & BRASS SALES 22355 W ELEVEN MILE SOUTHFIELD, MI 48034</p> <p>TALLEY METALS TECH, INC. ACCOUNTS PAYABLE P. O. BOX 2498 HARTSVILLE, SC 29551</p>																													
<p>CUSTOMER ORDER NO./BESTELL-NR./N° DE COMMANDE</p> <p>5400188763-0010</p>		<p>CARPENTER NO./WERK-NR./N° DE REFERENCE INTERNE</p> <p>TLY263901 L17437</p>		<p>DATE/DATUM/DATE</p> <p>09/06/13</p>																									
<p>HEAT NUMBER / SCHMELZE-NR. / N° DE COULEE:</p> <p>745675</p>		<p>UNS NUMBER S17400</p>																											
<p>PRODUCT DESCRIPTION: TYPE 17-4 SOLUTION ANNEALED COLD FINISH</p>																													
<p>SPECIFICATION: TALLEY 17-4T3A CAP OF H900</p> <p>AMS 2303 REV F (08/10)</p> <p>AMS 2315 REV G (02/13)</p> <p>AMS 5643 REV R (02/08) UNS S17400</p> <p>ASTM-A484-13A</p> <p>ASTM-A564-13</p> <p>ASME-SA564 2011 EDITION AISI 630</p> <p>*ASTM-F899-12B</p>																													
<p>SIZE 0.750000 IN. (19.05 MM) RD BAR</p>																													
<p>PRIMARY HEAT CHEMISTRY(WT%): (TEST METHOD IS SHOWN IN PARENTHESIS)</p> <table border="0"> <tr> <td>C (COM)</td> <td>MN (XRF)</td> <td>SI (XRF)</td> <td>P (XRF)</td> <td>S (COM)</td> <td>CR (XRF)</td> </tr> <tr> <td>0.030</td> <td>0.86</td> <td>0.42</td> <td>0.022</td> <td>0.025</td> <td>15.33</td> </tr> <tr> <td>NI (XRF)</td> <td>MO (XRF)</td> <td>CU (XRF)</td> <td>N (FUS)</td> <td>CB (XRF)</td> <td>TA (XRF)</td> </tr> <tr> <td>4.31</td> <td>0.27</td> <td>3.74</td> <td>0.025</td> <td>0.25</td> <td>LT .02</td> </tr> </table> <p>CB+TA 0.27</p>						C (COM)	MN (XRF)	SI (XRF)	P (XRF)	S (COM)	CR (XRF)	0.030	0.86	0.42	0.022	0.025	15.33	NI (XRF)	MO (XRF)	CU (XRF)	N (FUS)	CB (XRF)	TA (XRF)	4.31	0.27	3.74	0.025	0.25	LT .02
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4.31	0.27	3.74	0.025	0.25	LT .02																								
<p>THIS HEAT MELTED BY THE ELECTRIC ARC/AOD PROCESSES THIS MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH CARPENTER SPECIALTY ALLOYS OPERATIONS QUALITY PROGRAM MANUAL REVISION 30, DATED 09/28/11.</p>																													
<p>DISCS MACROETCHED AND APPROVED</p>																													
<p>HARDNESS AS SHIPPED 304HBW (32HRC)</p>																													
<p>MAGNETIC PARTICLE: FREQUENCY = 0 / SEVERITY = 0</p>																													
<p>MICROSTRUCTURE - FERRITE - NONE</p>																													
<p>CAPABILITY</p> <p>900 F (482 C), 01 HR AIR COOL</p>																													
<p>HARDNESS 421HBW (45HRC)</p>																													
<p>SOLUTION ANNEALED - 1900 F, 1 HOUR - RAPID COOL</p>																													
<p>CONTINUED ON NEXT PAGE</p>																													

From: ThyssenKrupp Materials NA

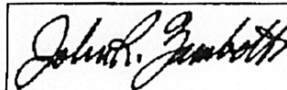
Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2402783126

CstAr

CstOr 253270

Wgt.: 1,000.000 LB

Date 10/30/2013



THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 17-4 STAINLESS
.750" DIA X 144.0000"
PART NO.

PO/Rel 25832

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.


Certificate of Mill Test Results

BL PEC-897217-001

22Sep14

Signed by:

Pg 2/2

CERTIFICATE OF TESTS		ABNAHMEPRUEFZEUGNIS		CERTIFICAT DE CONTROLE	
CERT SERIAL# 000892657  TALLEY METALS A Carpenter Company Talley Metals Technology, Inc. 205 Talley Metals Lane McBee, SC. 29101 Tel: (610) 205-2000 (800) 338-4592		<p>THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47.</p> <p>THE VALUES AND OTHER TECHNICAL DATA REPRESENT THE RESULTS OF ANALYSES AND TESTS MADE ON SAMPLES COLLECTED FROM THE TOTAL LOT. ORIGINAL DATA RECORDS CAN BE TRACED BY REFERENCE TO THE CARPENTER ORDER NUMBER.</p> <p>MATERIAL IS MANUFACTURED FREE FROM MERCURY, CADMIUM, ALPHA AND BETA SOURCE CONTAMINATION.</p> <p>THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF CARPENTER TECHNOLOGY CORPORATION.</p>			
09/11/13		SELLER/VERKÄUFER/VENDEUR PAGE 2 OF 2			
CUSTOMER/BESTELLER/CLIENT		TALLEY METALS TECH, INC.			
COPPER & BRASS SALES 22355 W ELEVEN MILE SOUTHFIELD, MI 48034		ACCOUNTS PAYABLE P. O. BOX 2498 HARTSVILLE, SC 29551			
CUSTOMER ORDER NO./BESTELL-NR./N° DE COMMANDE	CARPENTER NO./WERKS-NR./N° DE REFERENCE INTERNE	DATE/DATUM/DATE	WEIGHT/BEWICHT/POIDS		
5400188763-0010	TLY263901 L17437	09/06/13	1570.00		
HEAT NUMBER / SCHMELZE-NR. / N° DE COULEE:		745675		UNS NUMBER S17400	
CAPABILITY		AIR COOL			
900 F (482 C), 01 HR					
(T)RANSVERSE (L)ONGITUDINAL		L			
YIELD STRENGTH, (0.20 %) KSI(MPA)		205.0 (1413)			
TENSILE STRENGTH, KSI(MPA)		210.0 (1448)			
ELONGATION IN 1.40", %		12.0			
REDUCTION OF AREA, %		52.0			
<p>NO WELD REPAIR PERFORMED</p> <p>MATERIAL HAS BEEN MELTED AND MANUFACTURED IN THE USA WHICH IS A QUALIFYING COUNTRY TO DFARS REQUIREMENTS 252.225-7014 WITH ALTERNATE 1 FOR QUALIFYING COUNTRY 225.872.1, SUPERSEDED BY DFARS REQUIREMENTS DFARS 252.225-7008 AND 252.225-7009.</p> <p>CARPENTER'S QUALITY MANAGEMENT SYSTEM WAS REGISTERED AS OF NOVEMBER 24, 2010 TO THE REQUIREMENTS OF ISO 9001:2008 APPROVAL CERTIFICATE 10-1385R BY PERFORMANCE REVIEW INSTITUTE. THIS CERTIFICATE OF TEST IS TYPE 3.1 PREPARED IN ACCORDANCE WITH EN 10204 (DIN 50049). WE HEREBY CERTIFY THAT THE ABOVE TEST DATA ARE IN ACCORDANCE WITH THE PURCHASE ORDER AND SPECIFICATION REQUIREMENTS, AS DOCUMENTED IN THIS CERTIFICATE OF TESTS.</p> <p>TEST METHODS ARE PER THE ASTM STANDARDS ON FILE AND IN EFFECT AT TIME OF ORDER ACCEPTANCE, STANDARD PRACTICES, OR AS AGREED UPON BETWEEN CARPENTER & CUSTOMER.</p> <p>SHARON S. BRUNSON QUALITY ASSURANCE REP. CARPENTER TECHNOLOGY CORPORATION</p> <p>SSRD01402</p>					

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2402783126

CstAr

CstOr 253270

Wgt.: 1,000.000 LB

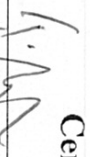
Date 10/30/2013

Sharon Brunson

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
STAINLESS STEEL ROUND BAR 303 STAINLESS
50" DIA X 144.0000"
PART NO.

PO/Rel 25832
We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results
Signed by: 
BL PEC-897217-002
22Sep14
Pg 1/1



740 Imperial Road North

METALLURGICAL TEST REPORT

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

Certificate: 978281 17

Mail To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Ship To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Date: 8/20/2014 Page: 1

Steel: 303

Finish: CD

Your Order: PEC258796

NAS Order: PN 0041294 03

Corrosion:

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
ASTM A582/12 EN 10204 3.1, ASTM A484/11
AMS 5640B-TYPE 1, Q08-764B CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF DEAR 252.225-7009 EU DIRECTIVE
2011/65/EU ROHS, EAF+AD+CC. NO WELD REPAIR. MELTED AND MTG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BG5581 7		5.000		1.153	144.00	1	1	

CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
N2H5	US	.0499	.1285	17.0085	.3850	1.8035	.3395	.0489	8.3445	.0290

S %	SI %
.3400	.4735

MECHANICAL PROPERTIES

Product Id	1 d o 1 o 2	HB No.	.2YS KSI	UTS KSI	RA %	Elng % 2"
BG5581 7	RL	210.0	88.79	108.43	30.22	27.75

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.



THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 303 STAINLESS

.750" DIA X 144.0000"

PART NO.

PO/Rel 25832

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-897217-003

22Sep14

Signed by: 

Pg 1/1

VIRAJ PROFILES LIMITED

VIRAJ®

Regd & Mkt off: G-33 & 34, MIDC, Industrial Area, Tarapur, Thane (Dist), Maharashtra, INDIA - 401506, E-Mail: sales@viraj.com
Works: SURVEY No- 114, 119 & 120, VILL. Mahagaon, Tal: Palgar, Dist: Thane-401501, MAHARASTRA, INDIA, vielqc@viraj.com

TEST CERTIFICATE

CUSTOMER

FIDELITY PAC METALS LTD.

303 North Service Rd East, Unit 1, Oakville ON

L6H 1A7

CANADA

ORDER NO

PO#2722

PACKING LIST NO

51/966406/5

INSPECTION NO

100003517176

DATE

04.02.2014

GRADE

T-303

HEAT No

32150

BUNDLE NO :

1100118036, 1100118037,

DESCRIPTION

STAINLESS STEEL BRIGHT BARS

COLD DRAWN POLISHED - 2H

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT
3/4"	ROUND	ASTM A484	12' - 14'	109	1,989.000 LB

CHEMICAL ANALYSIS

%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo	%Co	%N2
0.0440	1.860	0.400	0.0080	0.0340	17.450	8.080	0.540	0.240	0.150	0.03600

TEST RESULTS

0.2% yield strength ksi	Tensile Strength ksi	Elongation %	Reduction Of Area %	Hardness BHN	Grain Size NOS
83.0	103.0	39.0	56.0	211.0	7.0


SPECIFICATION:

MATERIAL CONFORMS TO DIN 10083-3:2005 COND-A & ASTM A 582/A582M-13 COND A, ASTM A 388-05, ASTM A 484-10, AMS 5640R TYPE I, EXCEPT MARKING, QQS-764BA2 COND A, EXCEPT MARKING, UNS-S-30300, ASTM A314-2008, ASTM A320/A320M-11a B8F CLASS 1, ASME SA 320 B8F CL1 MIL-S-862 B GRADE AISI 303 & WNR 1.4305.
CERTIFIED AS PER EN 10204-3.1

REMARKS

MATERIAL IS FREE FROM MERCURY CONTAMINATION, FREE FROM WELD OR WELD REPAIRS, MICRO-FREE FROM CONTINUOUS CARBIDE NETWORK ON GRAIN BOUNDARIES, MACRO-GOOD, MINIMUM SOLUTION ANNEALING TEMPERATURE 1050C, SOAKING TIME 1/2 HRS, WATER QUENCHED, MELT SOURCE AD. WE CONFIRM THAT THE MATERIAL HAS BEEN TESTED AND FOUND TO BE FREE FROM RADIOACTIVE CONTAMINATION COUNTRY OF ORIGIN: INDIA.

We hereby certify that the material described above has been tested and complies with the terms of order/contract.


WORKS INSPECTOR
K R K MURTHY

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SQ BAR 304L
1.00" X 144.0000"
PART NO.

PO/Rel 25832

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

Signed by: 

BL PEC-897217-004

22Sep14

Pg 1/1

MILL TEST REPORT

TA CHEN INTERNATIONAL, INC.

This MTR contains 1 page (Page # 1)

Customer: COPCON PO#:PEC-260832/260833 SO#:LCNU81

MTR#:VJSB97317205.GIF

Item:SB4L0100 Bundle:VJD1100182960 Heat#:33717

VIRAJ PROFILES LTD.

VIRAJ

Regd & Mkt off: G-33 & 34, MIDC, Industrial Area, Tarapur, Thane (Dist), Maharashtra, INDIA - 401506, E-Mail: sales@viraj.com
Works: SURVEY No- 114, 119 & 120, VII.T. Mahagaon, Tal: Palgar, Dist: Thane-401501, MAHARASHTRA, INDIA. vielqc@viraj.com

TEST CERTIFICATE

CUSTOMER	ORDER NO	PACKING LIST NO	INSPECTION NO	DATE
TA CHEN INTERNATIONAL INC. L-B 5835 ODISPO AVENUE, LONG BEACH, CA90805.	L43392-S	51/973172/5	100003982855	22.06.2014
			GRADE T-304/304L	HEAT No 33717

BUNDLE NO :
1100182961, 1100182960.

DESCRIPTION

STAINLESS STEEL BRIGHT BARS

COLD DRAWN & BUFF FINISH

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT
1"	SQUARE	ASTM A484	12' R/L	71	2,276.000 LB

CHEMICAL ANALYSIS

%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo	%Co	%N2
0.0230	1.230	0.360	0.0300	0.0330	18.170	8.050	0.560	0.340	0.160	0.03500

TEST RESULTS

0.2% yield strength ksi	Tensile Strength ksi	Elongation %	Reduction Of Area %	Hardness BH1N	Grain Size NOS
75.0	103.0	45.0	67.0	208.0	6.0

SPECIFICATION:

MATERIAL CONFIRMS TO ASTM A 276-13, COND.A. A 479/479M-13, COND.A. A 193/193M-13b & A320/320M-13a B8 CL1, A484-13a, A 182/182M-13, ASTM A314-2008 CHEMISTRY ONLY, ASME SA 479-13a, COND.A. SA 193-2011a B8 CL1, SA 320-2011a B8 CL1, SA-182-2011a (CHEMISTRY ONLY), NACE MR0175-2003, NACE MR0175-15156, AMS QQ-S-763 B, COND. A. (EXCEPT MARKING), AMS 5639H/ 5647J (EXCEPT MARKING), INTERGRANULAR CORROSION TEST AS PER ASTM A 262-10 PRACTICE E, GRAIN SIZE AS PER ASTM E112-2010, IMPROVED MACHINABILITY QUALITY, UNS-S-30400/S-30403, CERTIFIED AS PER EN 10204-3.1

REMARKS

MATERIAL IS FREE FROM MERCURY CONTAMINATION, FREE FROM WELD OR WELD REPAIRS, MICRO-FREE FROM CONTINUOUS CARBIDE NETWORK ON GRAIN BOUNDARIES, MACRO-GOOD, MINIMUM SOLUTION ANNEALING TEMPERATURE 1050C, SOAKING TIME 1hr/min., WATER QUENCHED, WE CONFIRM THAT THE MATERIAL HAS BEEN TESTED AND FOUND TO BE FREE FROM RADIOACTIVE CONTAMINATION, MELT SOURCE: AOD, MELT & MANUFACTURED: INDIA

We hereby certify that the material described above has been tested and complies with the terms of order/contract.


WORKS INSPECTOR
K R K MURTHY

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304B1.00x1.00
 DATE: 14-09-26

PO / BATCH NO.: 1025832

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1"
 THICKNESS RECEIVED: 1"
 SHEET SIZE ORDERED: Ø
 SHEET SIZE RECEIVED: Ø

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	Y (N)	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	Y (N)	
CORRECT MATERIAL	Y (N)	
CORRECT THICKNESS	Y (N)	
PHOTO REQUIRED	Y (N)	
CORRECT MATERIAL	Y (N)	
CORRECT REF # TO LINK CERT	Y (N)	33717
CORRECT MATERIAL IDENTIFICATION	Y (N)	M304 B 1.00x1.00
CORRECT M# ON THE MATERIAL	Y (N)	M130451
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 9</u> DATE: <u>14-09-26</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M30380.750
 DATE: 14-09-26

PO / BATCH NO.: P025832

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 48'
 QUANTITY INSPECTED: 48'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .750"
 THICKNESS RECEIVED: .750"
 SHEET SIZE ORDERED: 0
 SHEET SIZE RECEIVED: 0

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL	(Y)	N	
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT MATERIAL	(Y)	N	
CORRECT REF # TO LINK CERT	(Y)	N	32150
CORRECT MATERIAL IDENTIFICATION	(Y)	N	M30380.750
CORRECT M# ON THE MATERIAL	(Y)	N	M30451
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 9</u> DATE: <u>14-09-26</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303 20.500
 DATE: 14.09.26

PO / BATCH NO.: P025832

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 43'
 QUANTITY INSPECTED: 43'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .500
 THICKNESS RECEIVED: .500
 SHEET SIZE ORDERED: 0
 SHEET SIZE RECEIVED: 0

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL	Y <input checked="" type="checkbox"/> N	
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL	Y <input checked="" type="checkbox"/> N	M303 20.500
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N	11245
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N	M303 20.500
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N	M130451
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 9 9.80</u> DATE: <u>14.09.26</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M174R0.75

PO / BATCH NO.: P025832

DATE: 14-09-26

MATERIAL CERT REC'D: ✓

THICKNESS ORDERED: .750"

QUANTITY RECEIVED: 24 ft

THICKNESS RECEIVED: .750"

QUANTITY INSPECTED: 24 ft

SHEET SIZE ORDERED: ✓

QUANTITY REJECTED: ✓

SHEET SIZE RECEIVED: ✓

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL	(Y) N	
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT MATERIAL	(Y) N	
CORRECT REF # TO LINK CERT	(Y) N	745675
CORRECT MATERIAL IDENTIFICATION	(Y) N	M174R0.75
CORRECT M# ON THE MATERIAL	(Y) N	M130451
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>9</u> <u>9-89</u>	SIGNED OFF BY: _____
DATE: <u>14-09-26</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO25832**

Purchase Order Date 9/18/2014

PO Print Date 9/22/2014

Page Number 1 of 4

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

REVISED mat.

Contact Name	Buyer	Chantal Lavoie
Vendor Phone 905 669 9444	Customer POID	
	Customer Tax #	10127-2607
Ship To Contact	Terms	Net 30
Ship To Phone	Currency	CAD
Ship Via: VENDOR'S TRUCK	FOB	FCA - (Free Carrier)
Ship Acct:		

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M7075T6B7.000X2.000	7075-T6 BAR 7.000" X 2.000" (order in billets)	9/26/2014 10/3/ Yes 9/26/2014		23.00 f	\$77.30	\$1,778.00
MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE							

NOTE: PLEASE CUT TO SIZE: 20 PCS CUT 13.375" GRAIN DIRECTION ALONG LENGTH

M130451
Line Total: \$1,778.00

2	M174R0.750	17-4 round bar .750	9/26/2014 Yes 9/26/2014		24.00 f	\$7.50	\$180.00
MATERIAL: 17-4 PH / S17400 TYPE 630 SS ROUND BAR PER AMS 5643 OR ASTM A564 GRAIN MUST BE ALONG LENGTH OF BAR MINIMUM YIELD TENSILE STRENGTH = 100 KSI MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI							

9/19/14 *DAS 9-89*

Note:

9/22/2014



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PURCHASE ORDER

Purchase Order ID **PO25832**

Purchase Order Date 9/18/2014

PO Print Date 9/22/2014

Page Number 2 of 4

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Line Total: \$180.00

3	M2024T3S.063	2024-T3 .063 sheet	9/26/2014	192.00	\$4.01	\$770.00
			Yes	sf		
			9/26/2014			
	MATERIAL: 2024-T3 ALUMINUM SHEET AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209					

Line Total: \$770.00

4	M303B0.750X1.500	303 BAR .750" X 1.500"	9/26/2014	12.00	\$19.58	\$235.00
			Yes	f		
			9/26/2014			
	MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE					

Line Total: \$235.00

5	M303B1.000X03.000	303 BAR 1" X 3'	9/26/2014	12.00	\$47.92	\$575.00
			No	f		
			9/26/2014			
	MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE					

Note:

9/22/2014



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO25832**

Purchase Order Date 9/18/2014

PO Print Date 9/22/2014

Page Number 3 of 4

Order From :
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

VC-COP001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Line Total: \$575.00

6 M303R0.500 303 Round Bar 0.500" 9/26/2014 48.00
Yes
9/26/2014

48.00
f

DAS
9
9-89

\$1.65 \$79.20

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total: \$79.20

7 M303R0.750 303 Round Bar 0.750 9/26/2014 48.00
Yes
9/26/2014

48.00
f

DAS
9
9-89

\$3.19 \$153.12

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total: \$153.12

Note:

9/22/2014



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO25832**

Purchase Order Date 9/18/2014

PO Print Date 9/22/2014

Page Number 4 of 4

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

FCA - (Free Carrier)

8	M304B1.000X1.000	304 bar 1.00 x 1.00	9/26/2014	12.00		\$12.65	\$151.80
			Yes	f			
			9/26/2014				

MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE
AS PER ASTM A276 OR ASTM A240

NOTE: AISI 303 NOT ACCEPTABLE

Chantal Lavoie
DAS
9
9-89

Line Total: \$151.80

10	71401-45	PROCUREMENT QUALITY CLAUSES	9/26/2014	1.00		\$0.00	\$0.00
			No				
			9/26/2014				

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

Line Total: \$0.00

PO Total: \$3,922.12

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 2

Change Date: 9/22/2014